

I. AMENDMENTS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently amended) A method for modulating body organ functioning, comprising the following steps of:

[[a]] collecting a plurality of waveforms from a body generated in [[the]] a body and carried by neurons in the body, said waveforms being operative in the regulation of body organ functioning;

[[b]] storing [[the]] said collected waveforms in a storage medium[[,]]; and

[[c]] transmitting ~~one or more of the collected waveforms to~~ at least a first waveform signal proximate a first body organ to stimulate regulate organ function, said first waveform signal including at least a second waveform that substantially corresponds to at least one of said collected waveforms and is operative in the regulation of said first body organ.

Claim 2. (Currently amended) The method ~~according to~~ [[of]] claim 1, in which wherein said step “a” further of collecting said plurality of waveforms includes transforming said collected waveforms into a readable format for a processor.

Claim 3. (Currently amended) The method ~~according to~~ of claim 2, in which the wherein said transforming step comprises transforming analog signals into digital form.

Claim 4. (Currently amended) The method ~~according to~~ of claim 1, in which wherein said step “b” further of storing said collected waveforms includes storing said collected waveforms according to the function performed by [[the]] said connected waveforms.

Claim 5. Canceled

Claim 6. (Currently amended) An apparatus for modulating body organ functioning, comprising:

[[a]] a source of collected waveforms that are representative of waveforms naturally ~~occurring generated~~ within a body and [[that]] are indicative of body organ functioning[[,]];

[[b]] means for ~~transmitting one or more of the~~ selecting at least a first waveform from said collected waveforms to a body organ, said first waveform substantially corresponding to at least one of said collected waveforms and being operative to regulate a first body organ; and

[[c]] means adapted to be in communication with the body for applying the transmitted waveforms broadcasting said first waveform proximate to [[the]] said first body organ to stimulate or regulate organ function.

Claim 7. Canceled

Claim 8. (Currently amended) The apparatus ~~according to~~ of claim 6, ~~in which~~ wherein said source comprises a computer, ~~having~~ said collected waveforms being stored in said computer in digital format.

Claim 9. (Currently amended) The apparatus ~~according to~~ of claim 8, ~~in which~~ wherein said computer includes separate storage areas [[for]] adapted to store said collected waveforms [[of]] in different functional categories.

Claim 10. (Currently amended) The apparatus ~~according to~~ of claim 6, further including means for ~~collecting~~ acquiring said collected waveforms from [[a]] the body and transmitting said collected waveforms to said source.

Claim 11. (Currently amended) The apparatus ~~according to~~ of claim 10, ~~in which~~ wherein said collecting means comprises a sensor adapted to ~~be placed on~~ communicate with the body.

Claim 12. (Currently amended) The apparatus ~~according to~~ of claim 11, including a recorder for recording ~~sensed~~ waveforms sensed by said sensor in analog form.

Claim 13. (Currently amended) The apparatus ~~according to~~ of claim 12, including an analog to digital converter ~~connected to~~ in communication with said recorder for converting [[the]] said sensed waveforms.

Claim 14. (Currently amended) The apparatus ~~according to~~ of claim 11, including a digital to analog converter for converting said collected waveforms.

Claim 15. (Currently amended) The apparatus ~~according to~~ of claim 6, ~~in which~~ wherein said ~~applying~~ broadcasting means comprises a body electrode.

Claim 16. (Currently amended) A method for modulating body organ functioning, comprising the ~~following~~ steps of:

[[a]] collecting ~~waveforms~~ waveform signals that are representative of ~~waveforms~~ waveform signals naturally occurring within a body and that are carried by neurons in the body, said waveform signals being operative in the regulation of body organ functioning;

[[b]] storing [[the]] said collected ~~waveforms~~, waveforms signals; and

[[c]] transmitting ~~one or more of the collected waveforms~~ at least a first waveform signal to a first body organ to ~~stimulate~~ regulate organ function, said first waveform signal including at least a second waveform signal that substantially corresponds to at least one of said collected waveform signals and is operative in the regulation of said first body organ.

Claim 17. (Currently amended) The method ~~according to~~ of claim 16, ~~in which~~ wherein said step “a” ~~further~~ collecting said waveform signals includes transforming said collected ~~waveforms~~ waveform signals into a readable format for a processor.

Claim 18. (Currently amended) The method ~~according to~~ of claim 17, ~~in which the~~ wherein said transforming step comprises transforming ~~analog~~ said collected waveform signals into digital form.

Claim 19. (Currently amended) The method ~~according to~~ of claim 16, ~~in which~~ step wherein said “b” ~~further~~ of storing said collected waveform signals includes storing said collected ~~waveforms~~ waveform signals according to the function performed by ~~the waveforms~~ said waveform signals.

Claim 20. Canceled

Claim 21. (New) A method for regulating body organ functioning in a body having a nervous system, comprising the steps of:

collecting a plurality of waveforms generated in the body and carried by neurons in the body, said waveforms being operative in the regulation of body organ functioning;

storing said collected waveforms in a storage medium; and

transmitting at least a first waveform signal to the nervous system proximate a first body organ to regulate organ function, said first waveform signal including at least a second waveform

that substantially corresponds to at least one of said collected waveforms and is operative in the regulation of said first body organ.

Claim 22. (New) A method for regulating body organ functioning in a body having a nervous system, comprising the steps of:

collecting a plurality of waveforms generated in the body and carried by neurons in the body, said waveforms being operative in the regulation of body organ functioning;

storing said collected waveforms in a storage medium; and

transmitting at least a first waveform signal to the nervous system, said first waveform signal including at least a second waveform that substantially corresponds to at least one of said collected waveforms and is operative in the regulation of at least a first body organ.